

P-IEE-104/WO

CLAIMS

1. A seat-belt warning device comprising
a device for sensing a seat occupancy by a passenger,
a device for sensing a buckling status of a seat belt associated with the
5 seat, and
a device for outputting a warning signal,
characterized in that the device for sensing a seat occupancy by a
passenger comprises an optical imaging system having an image
evaluation unit.
10
2. The seat-belt warning device as claimed in claim 1, wherein the image
evaluation unit evaluates a situation image, which has been recorded by
the imaging system, on the basis of the contours and/or edges contained
in said image.
15
3. The seat-belt warning device as claimed in either of claims 1 and 2,
wherein the imaging system comprises a CMOS camera and/or a CCD
camera.
- 20 4. The seat-belt warning device as claimed in one of claims 1 to 3, wherein
the device for sensing a buckling status of a seat belt comprises a belt
lock sensor.
- 25 5. The seat-belt warning device as claimed in one of claims 1 to 3, wherein
the device for sensing a buckling status of a seat belt is formed by the
optical imaging system.
6. The seat-belt warning device as claimed in claim 5, wherein the seat belt
has one or more markings which are detectable by the optical system.

7. The seat-belt warning device as claimed in one of claims 1 to 6, wherein the optical imaging system comprises a lighting device for illuminating the space which is to be monitored.